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This circular will be sent regularly to all who apply for it.

## United States Department of Agriculture,

WASHINGTON, D. C., March 30, 1918.

### MONTHLY LIST OF PUBLICATIONS.

[MARCH, 1918.]

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#### READ CAREFULLY BEFORE ORDERING.

~~FF~~ Send no remittances to the U. S. Department of Agriculture.

A copy of any of the publications listed herein, except those otherwise noted, may be obtained free upon application to the Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

After this department's supply is exhausted, publications can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

~~FF~~ Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

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#### FARMERS' BULLETINS—FOR FREE DISTRIBUTION.

~~FF~~ NOTE.—The department's supply of the current numbers of Farmers' Bulletin is ordinarily sufficient to make it possible to send them free to all applicants. They are also for sale at 5 cents per copy.

**Information for Fruit Growers about Insecticides, Spraying Apparatus, and Important Insect Pests.** By A. L. Quaintance, Entomologist in Charge of Deciduous Fruit Insect Investigations, and E. H. Siegler, Entomological Assistant. Pp. 99, figs. 74. Contribution from the Bureau of Entomology. (**Farmers' Bulletin 908.**) Price, 15 cents.

Gives directions for the preparation and use of the more important insecticides necessary in combating the various insect pests of orchards, vineyards, etc., as well as other information of use in preventing or reducing insect losses to these crops.

**Milk Goats.** By Edward L. Shaw, Animal Husbandry Division. Pp. 36, figs. 17. Contribution from the Bureau of Animal Industry. (**Farmers' Bulletin 920.**) Suitable for general distribution.

**Farm Home Conveniences.** By Madge J. Reese, Assistant in Home Demonstration Work, Office of Extension Work South. Pp. 32, figs. 24. Contribution from the States Relations Service. (**Farmers' Bulletin 927.**) For general distribution.

**The Sheep Killing Dog.** By J. F. Wilson, Animal Husbandry Division. Pp. 32, figs. 2. Contribution from the Bureau of Animal Industry. (**Farmers' Bulletin 935.**) Supersedes Farmers' Bulletin 652. Contains a digest of existing State dog laws, and is for general distribution.

**Care and Repair of Farm Implements, No. 3. Plows and Harrows.** By E. B. McCormick, Chief Division of Rural Engineering, and L. L. Beebe, Assistant Mechanical Engineer. Pp. 10, fig. 1. Contribution from the Office of Public Roads and Rural Engineering. (**Farmers' Bulletin 946.**) For general distribution.

**Care and Repair of Farm Implements, No. 4. Mowers, Reapers, and Binders.** By E. B. McCormick, Chief, Division of Rural Engineering, and L. L. Beebe, Assistant Mechanical Engineer. Pp. 15, figs. 8. Contribution from the Office of Public Roads and Rural Engineering. (**Farmers' Bulletin 947.**) For general distribution.

**The Rag-Doll Seed Tester.** Its Use in Determining What Ears of Corn are Fit for Seed. By George J. Burt, H. Howard Biggar, and Clement E. Tront, Scientific Assistants, Office of Corn Investigations. Pp. 7, figs. 5. Contribution from the Bureau of Plant Industry. (**Farmers' Bulletin 948.**) For general distribution.

**Use of Wheat Flour Substitutes in Baking.** By Hannah L. Wessling, Specialist in Home Demonstration Work. Pp. 22. Contribution from the States Relation Service. (**Farmers' Bulletin 955.**) Suitable for general distribution.

#### DEPARTMENTAL BULLETINS—TECHNICAL.

~~g~~The publications listed below are technical or scientific treatises or bulletins applying to a special industry or locality. The edition is limited, but they will be furnished free to persons who can use such specialized information, as long as the supply lasts. However, to insure prompt receipt, remit price to the Superintendent of Documents.

**Report on Experimental Convict Road Camp, Fulton County, Ga.** By H. S. Fairbank and R. H. Eastham, Highway Engineers, and W. F. Draper, Passed Assistant Surgeon, U. S. Public Health Service. Pp. 64, pls. 9, figs. 9. Contribution from the Office of Public Roads and Rural Engineering. Mar. 7, 1918. (**Department Bulletin 583.**) Price, 25 cents.

Describes a model convict road camp, and methods of organization and discipline with a summary of the results obtained thereby.

**The Striped Peach Worm.** By H. C. Lagerson, Scientific Assistant, Deciduous Fruit Insect Investigations. Pp. 16, pls. 4. Contribution from the Bureau of Entomology. (Professional Paper.) Mar. 16, 1918. (**Department Bulletin 599.**) Price, 5 cents.

Describes life history and habits of this worm and suggests methods for its control.

**Value of a Small Plot of Ground to the Laboring Man.** A study of the Food Raised by Operatives in Southern Cotton-Mill Towns. By W. C. Funk, Scientific Assistant. Pp. 12, pls. 3, fig. 1. Contribution from the Office of Farm Management. Mar. 5, 1918. (**Department Bulletin 602.**) Price, 5 cents.

For general distribution.

**Inense Cedar.** By J. Alfred Mitchell, Forest Examiner. Pp. 40, pls. 5, figs. 4. Contribution from the Forest Service. (Professional Paper.) Mar. 16, 1918. (**Department Bulletin 604.**) Price 10 cents.

Describes products and uses of this wood and is of interest to lumbermen generally.

**Varieties of Cheese: Descriptions and Analyses.** By C. F. Doane Dairy Division, and H. W. Lawson, formerly of the Office of Experiment Stations. Pp. 80. Contribution from the Bureau of Animal Industry. Mar. 6, 1918. (**Department Bulletin 608.**) Price, 10 cents.

A revision of Bureau of Animal Industry Bulletin 146 and of interest to dealers in and manufacturers of cheese.

**Food Habits of the Swallows, a Family of Valuable Native Birds.** By F. E. L. Beal, Assistant Biologist. Pp. 28, pls. 2. Contribution from the Bureau of Biological Survey. (Professional Paper.) Mar. 8, 1918. (**Department Bulletin 619.**) Price, 5 cents.

This bulletin is a technical study of the food habits of the seven North American forms of the swallow family, and is for distribution in all sections of the United States.

**Effect of Varying Certain Cooking Conditions in the Production of Sulphite Pulp from Spruce.** By S. E. Lunak, Chemist in Forest Products. Pp. 24, pls. 12, figs. 10. Contribution from the Forest Service. (Professional Paper.) Mar. 14, 1918. (**Department Bulletin 620.**) Price, 15 cents.

Of interest to paper manufacturers generally.

**Farm Practice in the Production of Hay in Steuben County, N. Y., and Washington County, Pa.** By H. B. McClure, Agriculturist. Pp. 16, figs. 3. Contribution from the Office of Farm Management. Mar. 4, 1918. (**Department Bulletin 641.**) Price, 5 cents.

A detailed study of the amount of labor required per acre and per ton for each operation, and the machinery charges per acre and per ton.

**The Melon Fly.** By E. A. Back, Entomologist and C. E. Pemberton, Assistant Entomologist, Mediterranean and Other Fruit Fly Investigations. Pp. 32, figs. 23. Contribution from the Bureau of Entomology. Mar. 8, 1918. (**Department Bulletin 643.**) Price, 10 cents.

Describes life history and habits of this insect, and suggests measures for its control.

#### MISCELLANEOUS.

**The Distribution of Softwood Lumber in the Middle West. Retail Distribution.** Studies of the Lumber Industry, Part IX. By Ovid M. Butler, Assistant Director, Forest Products Laboratory. Pp. 100, figs. 25. Contribution from the Forest Service. (Report 116, Office of the Secretary.) Price, 15 cents.

**Report of the Hawaii Agricultural Experiment Station.** 1917. Pp. 56, pls. 8, fig. 1. Mar. 5, 1918. Price, 10 cents.

## SERIALS.

**Journal of Agricultural Research.** (For sale only.) Vol. 12, No. 9, Mar. 4, 1918. Contents: Wilt Diseases of Okra and the Verticillium-Wilt Problem. (JG-137) By C. W. Carpenter.—Winter Cycle of Egg Production in the Rhode Island Red Breed of Domestic Fowl. (mf Mass-3) By H. D. Goodale.—Digestion of Starch by the Young Calf. (mg A-35) By R. H. Shaw, T. E. Woodward, and R. P. Norton.—Toxicity of Volatile Organic Compounds to Insect Eggs. (mh Minn-24) By William Moore and Samuel A. Graham.—Corn-Stover Silage. (mi Pa-5) By J. M. Sherman and S. L. Bechdel.—Weevils Which Affect the Irish Potato, Sweet Potato, and Yam. (ms K-61) By W. Dwight Pierce. Pp. 529-611, pls. 19, fig. 1. Price, 65 cents.

**Same.** Vol. 12, No. 10, Mar. 11, 1918. Contents: Sterility in the Strawberry. (mj Minn-25) By W. D. Valleau.—Effect of Nitrifying Bacteria on the Solubility of Tricalcium Phosphate. (mk Cal-18) By W. P. Kelley. Pp. 613-683, pls. 6, figs. 4. Price, 30 cents.

**Same.** Vol. 12, No. 11, Mar. 18, 1918. Contents: Respiration of Stored Wheat. (mm Minn-26) By C. H. Bailey and A. M. Gurjar.—Effects of Mistletoe on Young Conifers. (ml G-138) By James R. Weir.—Determination of Fatty Acids in Butter Fat. (mi Mass. 4) By E. B. Holland and J. P. Buckley, Jr. Pp. 685-732, pl. 1, figs. 9. Price, 25 cents.

**Note.**—Beginning with volume 5 the Journal of Agricultural Research has been issued weekly and is distributed free only to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. It will not be sent free to individuals. The Superintendent of Documents will receive subscriptions for this publication, the price being \$3 per year, 52 numbers.

**Experiment Station Record.** Vol. 37, No. 9, Abstract Number. Feb. 28, 1918. E. W. Allen, Ph. D., Editor. Pp. 501-900. Price, 15 cents.

**Note.**—The Record is a technical review of the world's scientific literature pertaining to agriculture. It is not intended for general distribution, and its free distribution is restricted to persons connected with the agricultural colleges, experiment stations, and similar institutions, and to libraries and exchanges. It can not be sent free to individuals having no official connection with public institutions. The Superintendent of Documents will receive subscriptions for this publication, which is issued in two volumes a year, 10 numbers each, at \$1 a volume.

**The Monthly Crop Report.** Vol. 4, No. 3, Mar., 1918. Pp. 21-32 (Bureau of Crop Estimates.)

Contains data relating to agriculture, including estimates of acreage, conditions, yield, prices, and value of crops and live stock. For free distribution.

## SERVICE AND REGULATORY ANNOUNCEMENTS—FOR SALE ONLY.

**These** contain *only* information, instructions, and notices governing the enforcement of food and drugs act, meat inspection, 28-hour, and quarantine laws, and the various regulations of the department. Issued monthly by certain bureaus. Free distribution is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by same. Others desiring copies are respectfully referred to the Superintendent of Documents, Government Printing Office, who has them for sale *only*, at prices noted.

**Bureau of Animal Industry.** No. 128. December, 1918. Pp. 129-142. Feb. 9, 1918. Price, 5 cents.

**Bureau of Biological Survey.** No. 18. P. 1. Mar. 26, 1918. Price, 5 cents.

**Bureau of Chemistry.** Supplement No. 37. [N. J. 5301-5350] Pp. 345-397. Feb. 23, 1918. Price, 5 cents.

## SOIL SURVEYS.

All requests for soil surveys are referred to the Bureau of Soils for attention, the distribution of same being controlled by that bureau.

**Soil Survey of Wilcox County, Alabama.** By R. A. Winston, of the U. S. Department of Agriculture, and N. Eric Bell, of the Alabama Department of Agriculture and Industries. Pp. 71, fig. 1, map. (From F. O. Soils, 1916.) Price, 15 cents.

**Soil Survey of Hempstead County, Arkansas.** By Arthur E. Taylor and W. B. Cobb. Pp. 53, fig. 1, map. (From F. O. Soils, 1916.) Price, 15 cents.

**Soil Survey of Hinds County, Mississippi.** By A. E. Kocher, and A. L. Goodman. Pp. 42, pls. 3, fig. 1, map. (From F. O. Soils, 1916.) Price, 15 cents.

**Soil Survey of Lee County, Mississippi.** By W. E. Tharp, of the U. S. Department of Agriculture, and E. M. Jones, of the Mississippi Geological Survey. Pp. 40, fig. 1, map. (From F. O. Soils, 1916.) Price, 15 cents.

**Soil Survey of Fillmore County, Nebraska.** By A. H. Meyer, of the U. S. Department of Agriculture, and C. E. Collett and N. A. Bengtson, of the Nebraska Soil Survey. Pp. 24, pl. 1, fig. 1, map. (From F. O. Soils, 1916.) Price, 15 cents.

## SEPARATES.

**Cooperative Campaigns for the Control of Ground Squirrels, Prairie-Dogs, and Jack Rabbits.** By W. B. Bell, Bureau of Biological Survey. Pp. 11, pls. 3. (Separate 724, Yearbook 1917.) Price, 5 cents.

**Rest Rooms for Women in Marketing Centers.** By Anne M. Evans, Bureau of Markets. Pp. 10, pl. 1. (Separate 726, Yearbook, 1917.) Price, 5 cents.

**The Weed Problem in American Agriculture.** By H. R. Cates, Bureau of Plant Industry. Pp. 13, pls. 5. (Separate 732, Yearbook 1917.) Price, 5 cents.

**Value of Records to the Farmer.** By J. S. Ball, Office of Farm Management. Pp. 17, fig. 1. (Separate 735, Yearbook 1917.) Price, 5 cents.

**Cooperative Marketing, Where? When? How?** By C. E. Bassett, and O. B. Jesness, Bureau of Markets. Pp. 11. (Separate 738, Yearbook 1917.) Price, 5 cents.



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## PUBLICATIONS OF THE WEATHER BUREAU.

~~All~~ Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

**Monthly Weather Review.** (For sale only.) Vol. 45, No. 12, December, 1917. [Mar. 1918.] Pp. 573-636, charts 11, figs. 10. Price, 25 cents per copy, \$2.50 per year. Payable to the Superintendent of Documents.

Special Articles: Solar and sky radiation during December, 1917. By H. H. Kimball.—Lunar total eclipse, 1917, July 4. By L. Picard.—Permanent periodicity in sunspots. By J. Larmor.—Polarization of skylight. By A. Gockel.—Solar corona: Five years recent observation. By J. Maurer.—Need of geophysical observing stations. By P. Gruner.—Settlement of tropical Australia. By Griffith Taylor.—Practical hints in forecasting minimum temperatures. By Wm. G. Reed.—Meteorology and war flying. By R. DeC. Ward.—Nitrites from nitrates by sunlight. By B. Moore.—Times Zones at sea.

**National Weather and Crop Bulletin.** No. 3, March, 1918, reporting temperature, rainfall, and crop conditions throughout the United States. Issued Weekly, on Wednesday, April to October; monthly remainder of year. Price, 25 cents a year.

**Snow and Ice Bulletins** for March 5, 12, 19, 26, 1918. These bulletins are issued weekly during the winter season, based upon data from regular Weather Bureau stations, supplemented by reports from selected cooperative observers. Price, 25 cents a year.

FRANCIS J. P. CLEARY,  
*Acting Chief, Division of Publications.*

## FOOD LEAFLETS.

THE Department has published a series of pamphlets dealing with food saving and containing latest information for the economic use of various foods and the making of desirable left-overs. These circulars contain many practical recipes which should be of direct interest to the housewife who wishes to help, through her household, in the national efforts to insure an adequate food supply. They will be sent in answer to individual requests, and are especially suitable for distribution by those in charge of the many local organizations engaged in the food-conservation campaign, and such officials are urged to write at once to the Department for a supply to distribute in their localities. Ask for United States Food Leaflets.